

SEQUENCE LISTING

<110> Braselmann, Sylvia

<120> Nucleotide Sequences that Encode
Phosphatidylinositol-3' Kinase Associated Proteins and
Uses Thereof

<130> 1027-DIV1

<140> Unknown

<141> 2000-10-13

<150> 08/942,008

<151> 1997-10-01

<150> 60/030,103

<151> 1996-11-01

<160> 2

<170> PatentIn Ver. 2.0

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tgggcctggc gcggggggcg ggcaccgggg cccggtcgga c atg ggc aag aag cac 176
Met Gly Lys Lys His

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aag aag cac aag tcg gac aaa cac ctc tac gag gag tat gta gag aag 224
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ccc ttg aag ctg gtc ctc aaa gta gga ggg aac gaa gtc acc gaa ctc 272
Pro Leu Lys Leu Val Leu Lys Val Gly Gly Asn Glu Val Thr Glu Leu
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gat cat gac aaa cac aag gac aga aag cgg aaa aag aga aag aaa gga	368
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55 60 65	
gag aag cag att cca ggg gaa gaa aag ggg aga aaa cgg aga aga gtt	416
Glu Lys Gln Ile Pro Gly Glu Glu Lys Gly Arg Lys Arg Arg Arg Val	
70 75 80 85	
aag gag gat aaa aag aag cga gat cga gac cgg gtg gag aat gag gca	464
Lys Glu Asp Lys Lys Lys Arg Asp Arg Asp Arg Val Glu Asn Glu Ala	
90 95 100	
gaa aaa gat ctc cag tgt cac gcc cct gtg aga tta gac ttg cct cct	512
Glu Lys Asp Leu Gln Cys His Ala Pro Val Arg Leu Asp Leu Pro Pro	
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Glu Lys Pro Leu Thr Ser Ser Leu Ala Lys Gln Glu Glu Val Glu Gln	
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Thr Pro Leu Gln Glu Ala Leu Asn Gln Leu Met Arg Gln Leu Gln Arg	
135 140 145	
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Lys Asp Pro Ser Ala Phe Phe Ser Phe Pro Val Thr Asp Phe Ile Ala	
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cct ggc tac tcc atg atc att aaa cac cca atg gat ttt agt acc atg	704
Pro Gly Tyr Ser Met Ile Ile Lys His Pro Met Asp Phe Ser Thr Met	
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 Gly Gly His Ser Arg Thr Leu Gln Glu Met Glu Met Ser Leu Pro Glu
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 Arg Leu Ile Ala Leu Lys Ala Val Thr Asn Phe Gly Val Pro Val Glu
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 Glu Lys Cys Ile Leu Leu Asn Lys
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Phe Glu Asp Lys Asn Asp His Asp Lys His Lys Asp Arg Lys Arg Lys
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Lys Arg Lys Lys Gly Glu Lys Gln Ile Pro Gly Glu Glu Lys Gly Arg
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Lys Arg Arg Arg Val Lys Glu Asp Lys Lys Lys Arg Asp Arg Asp Arg
85 90 95
Val Glu Asn Glu Ala Glu Lys Asp Leu Gln Cys His Ala Pro Val Arg
100 105 110
Leu Asp Leu Pro Pro Glu Lys Pro Leu Thr Ser Ser Leu Ala Lys Gln
115 120 125
Glu Glu Val Glu Gln Thr Pro Leu Gln Glu Ala Leu Asn Gln Leu Met
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Arg Gln Leu Gln Arg Lys Asp Pro Ser Ala Phe Phe Ser Phe Pro Val
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Thr Asp Phe Ile Ala Pro Gly Tyr Ser Met Ile Ile Lys His Pro Met
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Asp Phe Ser Thr Met Lys Glu Lys Ile Lys Asn Asn Asp Tyr Gln Ser
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 Ile Glu Glu Leu Lys Asp Asn Phe Lys Leu Met Cys Thr Asn Ala Met
 195 200 205
 Ile Tyr Asn Lys Pro Glu Thr Ile Tyr Tyr Lys Ala Ala Lys Lys Leu
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 Leu His Ser Gly Met Lys Ile Leu Ser Gln Glu Arg Ile Gln Ser Leu
 225 230 235 240
 Lys Gln Ser Ile Asp Phe Met Ala Asp Leu Gln Lys Thr Arg Lys Gln
 245 250 255
 Lys Asp Gly Thr Asp Thr Ser Gln Ser Gly Glu Asp Gly Gly Cys Trp
 260 265 270
 Gln Arg Glu Arg Glu Asp Ser Gly Asp Ala Glu Ala His Ala Phe Lys
 275 280 285
 Ser Pro Ser Lys Glu Asn Lys Lys Lys Asp Lys Asp Met Leu Glu Asp
 290 295 300
 Lys Phe Lys Ser Asn Asn Leu Glu Arg Glu Gln Glu Gln Leu Asp Arg
 305 310 315 320
 Ile Val Lys Glu Ser Gly Gly Lys Leu Thr Arg Arg Leu Val Asn Ser
 325 330 335
 Gln Cys Glu Phe Glu Arg Arg Lys Pro Asp Gly Thr Thr Thr Leu Gly
 340 345 350
 Leu Leu His Pro Val Asp Pro Ile Val Gly Glu Pro Gly Tyr Cys Leu
 355 360 365
 Val Arg Leu Gly Met Thr Thr Gly Arg Leu Gln Ser Gly Val Asn Thr
 370 375 380
 Leu Gln Gly Phe Lys Glu Asp Lys Arg Asn Lys Val Thr Pro Val Leu
 385 390 395 400
 Tyr Leu Asn Tyr Gly Pro Tyr Ser Ser Tyr Ala Pro His Tyr Asp Ser
 405 410 415
 Thr Phe Ala Asn Ile Ser Lys Asp Asp Ser Asp Leu Ile Tyr Ser Thr
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 Met Ser Leu Pro Glu Asp Glu Gly His Thr Arg Thr Leu Asp Thr Gly
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 Lys Glu Met Glu Gln Ile Thr Glu Val Glu Pro Pro Gly Arg Leu Asp
 500 505 510
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 515 520 525
 Gly Val Pro Val Glu Val Phe Asp Ser Glu Glu Ala Glu Ile Phe Gln
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 Lys Lys Leu Asp Glu Thr Thr Arg Leu Leu Arg Glu Leu Gln Glu Ala
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 Gln Asn Glu Arg Leu Ser Thr Arg Pro Pro Gly Asn Met Ile Cys Leu
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